Appendix D

Brass Conversion

The data and procedures contained in this appendix are used to compute the weight and/or quantity of expended cartridge cases. See Figure D-1 below.

Case Type	Weight (pounds)
.22 caliber, brass, short	.0008
.22 caliber, brass, long	.0014
.30 caliber, brass, carbine	.0101
.30 caliber, steel, carbine	.0081
.30 caliber, brass, all others	.0286
.38 caliber, brass, all	.009
.45 caliber, brass, all	.0124
.45 caliber, steel, all	.012
.50 caliber, brass, all	.121
.50 caliber, steel, all	.111
5.56 millimeter, brass, all	.0135
7.62 millimeter, brass, large	.026
9 millimeter parabellum	.009
20.0 millimeter, brass, small	.2
20.0 millimeter, brass, large	.25
25 millimeter, all	.48
Shotgun, brass, all	.036

Figure D-1. Brass Conversion Chart

TO FIND WEIGHT

D-1. Multiply the quantity of expended cartridge cases by the weight. Using the example, brass, short, expended-rounds, .22 caliber, work the formula as shown below.

FORMULA

D-2. Quantity of the item x Weight = Weight of expended cartridge cases.

COMPUTATION

D-3. 39,875 rounds x .0008 lbs = 31.9 lbs.
Work to one decimal place and round down: 31 pounds expended.

TO FIND QUANTITY

D-4. Divide the weight of the expended cartridge cases by the weight. Using the example, brass, expended-cartridges weight of .38 caliber, work the formula as follows:

FORMULA

D-5. Total Weight ÷ Weight of the item = Quantity of expended cartridge cases.

COMPUTATION

D-6. 82.0 pounds ÷ .009 pounds = 9,111.1 rounds.
Work to one decimal place and round down: 9,111 rounds.